

SEQUENCE LISTING

<110>	Cuenoud, Bernard Altmann, Karl-Heinz Martin, Pierre Moser, Heinz Ernst	
<120>	2'-Substituted Nucleosides and Oligonucleotide Derivatives	
<130>	4-20890B/C1	
	09/753,943 2001-01-03	
	09/194,844 1999-05-14	
	PCT/EP97/02738 1998-05-27	
	Switzerland 1432/96 1996-06-06	
<160> <170>	NUMBER OF SEQUENCES: 22 SOFTWARE: FastSEQ for Windows Version 4.0	
<211> <212>	SEQ ID NO:1 LENGTH: 20 TYPE: RNA ORGANISM:Homo sapiens	
	SEQ ID NO:1 auguc acaggcggga	20
<211> <212>	SEQ ID NO:2 LENGTH: 20 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
	SEQ ID NO:2 cctgt gacatgcatt	20
<211> <212>	SEQ ID NO:3 LENGTH: 15 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (5)(5) OTHER INFORMATION: 2'-substituted sugar	
	SEQ ID NO:3 ctctc tctct	15
	SEQ ID NO:4 LENGTH: 15	

	sequence listing.txt	
<212> <213>	TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: 5,7,9,11,13 OTHER INFORMATION: 2'-substituted sugar	
<400> ttttt	SEQ ID NO:4	15
<211> <212>	SEQ ID NO:5 LENGTH: 16 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: 1,7,9,15 OTHER INFORMATION: 2'-substituted sugar	
	SEQ ID NO:5 gtgtc cgcatc	16
<211> <212>	SEQ ID NO:6 LENGTH: 15 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (1)(5) OTHER INFORMATION: 2'-substituted sugar	
	SEQ ID NO:6 ctctc tctct	15
<211> <212>	SEQ ID NO:7 LENGTH: 15 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (5)(14) OTHER INFORMATION: 2'-substituted sugar	
<222>	NAME/KEY: modified_base LOCATION: 6,8,10,12,14 OTHER INFORMATION: 2'-substituted sugar (5-methyl cytosine)	
	SEQ ID NO:7 ctctc tctct	15
<210>	SEQ ID NO:8	

Page 2

```
sequence listing.txt
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide derivatives
<221> NAME/KEY: modified_base
<222> LOCATION: (1)...(14)
<223> OTHER INFORMATION: 2'-substituted sugar
<221> NAME/KEY: modified_base
<222> LOCATION: 6,8,10,12,14
<223> OTHER INFORMATION: 2'-substituted sugar (5-methyl cytosine)
<400> SEQ ID NO:8
                                                                                   15
tttttctctc tctct
<210> SEQ ID NO:9
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide derivatives
<221> NAME/KEY: modified_base
<222> LOCATION: (5)...(14)
<223> OTHER INFORMATION: 2'-substituted sugar
<221> NAME/KEY: modified_base
<222> LOCATION: 6,8,10,12,14
<223> OTHER INFORMATION: 2'-substituted sugar (5-methyl cytosine)
<400> SEQ ID NO:9
                                                                                   15
tttttctctc tctct
<210> SEQ ID NO:10
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide derivatives
<221> NAME/KEY: modified_base
<222> LOCATION: (11)...(11)
<223> OTHER INFORMATION: 2'-substituted sugar
<400> SEQ ID NO:10
                                                                                   15
agagagagag aaaaa
<210> SEQ ID NO:11
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide derivatives
<221> NAME/KEY: modified_base
<222> LOCATION: 3,5,7,9,11
<223> OTHER INFORMATION: 2'-substituted sugar
                                                 Page 3
```

<400> SEQ ID NO:11 agagagaga aaaaa	
<210> SEQ ID NO:12 <211> LENGTH: 15 <212> TYPE: DNA <213> ORGANISM:Artificial Sequence	
<220> FEATURE: <223> OTHER INFORMATION: Oligonucleotide derivatives	
<221> NAME/KEY: modified_base <222> LOCATION: (11)(14) <223> OTHER INFORMATION: 2'-substituted sugar	
<400> SEQ ID NO:12 agagagaga aaaaa	15
<210> SEQ ID NO:13 <211> LENGTH: 15 <212> TYPE: DNA <213> ORGANISM:Artificial Sequence	
<220> FEATURE: <223> OTHER INFORMATION: Oligonucleotide derivatives	
<221> NAME/KEY: modified_base <222> LOCATION: (2)(11) <223> OTHER INFORMATION: 2'-substituted sugar	
<400> SEQ ID NO:13 agagagaga aaaaa	15
<210> SEQ ID NO:14 <211> LENGTH: 13 <212> TYPE: DNA <213> ORGANISM:Artificial Sequence	
<220> FEATURE: <223> OTHER INFORMATION: Oligonucleotide derivatives	
<221> NAME/KEY: modified_base <222> LOCATION: 4,6,12 <223> OTHER INFORMATION: 2'-substituted sugar	
<400> SEQ ID NO:14 aggtgtccgc atc	13
<210> SEQ ID NO:15 <211> LENGTH: 16 <212> TYPE: DNA <213> ORGANISM:Artificial Sequence	
<220> FEATURE: <223> OTHER INFORMATION: Oligonucleotide derivatives	
<221> NAME/KEY: modified_base <222> LOCATION: (13)(15) <223> OTHER INFORMATION: 2'-substituted sugar	
<400> SEQ ID NO:15 tccaggtgtc cgtttc Page 4	16

<211> <212>	SEQ ID NO:16 LENGTH: 21 TYPE: DNA ORGANISM:Artificial Sequence	
	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
	SEQ ID NO:16 aaaga gagagatc g	21
<211> <212>	SEQ ID NO:17 LENGTH: 21 TYPE: DNA ORGANISM:Artificial Sequence	
	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
	SEQ ID NO:17 cctct ctcttttag c	21
<211> <212>	SEQ ID NO:18 LENGTH: 20 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (1)(20) OTHER INFORMATION: phosphorothioate backbone	
<222>	NAME/KEY: modified_base LOCATION: 2, 4, 15, 17, 19 OTHER INFORMATION: 2'-substituted sugar	
	SEQ ID NO:18 cctgt gacatgcatt	20
<211> <212>	SEQ ID NO:19 LENGTH: 20 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (6)(15) OTHER INFORMATION: phosphorothioate backbone	
<222>	NAME/KEY: modified_base LOCATION: (1)(5) OTHER INFORMATION: 2'-substituted sugar	•
<222>	NAME/KEY: modified_base LOCATION: (15)(19) OTHER INFORMATION: 2'-substituted sugar	
<400>	SEQ ID NO:19	

Page 5

	sequence listing.txt	20
tcccgc	cctgt gacatgcatt	20
<211> <212>	SEQ ID NO:20 LENGTH: 20 TYPE: DNA ORGANISM:Artificial Sequence	
<220> <223>	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (1)(20) OTHER INFORMATION: phosphorothioate backbone	
<222>	NAME/KEY: modified_base LOCATION: (1)(5) OTHER INFORMATION: 2'-substituted sugar	
<222>	NAME/KEY: modified_base LOCATION: (15)(19) OTHER INFORMATION: 2'-substituted sugar	
	SEQ ID NO:20 cctgt gacatgcatt	20
<211><212>	SEQ ID NO:21 LENGTH: 20 TYPE: DNA ORGANISM:Artificial Sequence	
	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (6)(15) OTHER INFORMATION: phosphorothioate backbone	
<222>	NAME/KEY: modified_base LOCATION: (1)(5) OTHER INFORMATION: 2'-substituted sugar	
<222>	NAME/KEY: modified_base LOCATION: (15)(19) OTHER INFORMATION: 2'-substituted sugar	
	SEQ ID NO:21 cctgt gacatgcatt	20
<211> <212>	SEQ ID NO:22 LENGTH: 20 TYPE: DNA ORGANISM:Artificial Sequence	
	FEATURE: OTHER INFORMATION: Oligonucleotide derivatives	
<222>	NAME/KEY: modified_base LOCATION: (1)(20) OTHER INFORMATION: phosphorothioate backbone	
<222>	NAME/KEY: modified_base LOCATION: (1)(5) OTHER INFORMATION: 2'-substituted sugar	

<221> NAME/KEY: modified_base <222> LOCATION: (15)...(19) <223> OTHER INFORMATION: 2'-substituted sugar

<400> SEQ ID NO:22 tcccgcctgt gacatgcatt

20